

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-10 (Canceled).

Claim 11 (New): An EGR cooler comprising:

tubes;

a shell enclosing said tubes, cooling water being supplied into and discharged from said shell, exhaust gas being guided from a diesel engine into said tubes for thermal exchange of said exhaust gas with said cooling water; and

a bypass flow path for guiding the cooling water arranged in said shell so as not to cause stagnation of the cooling water in said shell.

Claim 12 (New): The EGR cooler as claimed in claim 11, wherein the bypass flow path comprises a bypass conduit.

Claim 13 (New): The EGR cooler as claimed in claim 11, wherein the bypass flow path comprises an inner space of the shell formed by reducing a number of the tubes.

Claim 14 (New): The EGR cooler as claimed in claim 11, wherein the bypass flow path is formed by peripherally curving the shell.

Claim 15 (New): The EGR cooler as claimed in claim 11, wherein a bypass outlet of the bypass flow path is positioned within a cooling water outlet.

Claim 16 (New): The EGR cooler as claimed in claim 12, wherein a bypass outlet of the bypass flow path is positioned within a cooling water outlet.

Claim 17 (New): The EGR cooler as claimed in claim 13, wherein a bypass outlet of the bypass flow path is positioned within a cooling water outlet.

Claim 18 (New): The EGR cooler as claimed in claim 14, wherein a bypass outlet of the bypass flow path is positioned within a cooling water outlet.

Claim 19 (New): An EGR cooler comprising:

tubes; and

a shell enclosing said tubes, cooling water being supplied into and discharged from said shell, exhaust gas being guided from a diesel engine into said tubes for thermal exchange of said exhaust gas with said cooling water,

wherein respective of the tubes are arranged in a form of multiple concentric circles about an axis of the shell, pitches between the tubes constituting respective of the concentric circles being gradually increased from outer to inner ones of the circles.

Claim 20 (New): An EGR cooler comprising:

tubes; and

a shell enclosing said tubes, cooling water being supplied into and discharged from said shell, exhaust gas being guided from a diesel engine into said tubes for thermal exchange of said exhaust gas with said cooling water,

wherein respective of the tubes are arranged in a form of multiple concentric circles about an axis of the shell, pitches between respective of the multiple circles constituted by the tubes being gradually increased radially from a periphery to the axis of the shell.

Claim 21 (New): The EGR cooler as claimed in claim 20, wherein the central tube is arranged at the axis of the shell, a pitch between an innermost circle and a central of the tubes being largest.

Claim 22 (New): An EGR cooler comprising:  
tubes; and  
a shell enclosing said tubes, cooling water being supplied into and discharged from said shell, exhaust gas being guided from a diesel engine into said tubes for thermal exchange of said exhaust gas with said cooling water,  
wherein respective of the tubes are arranged in a form of multiple concentric circles about an axis of the shell, pitches between the tubes constituting the respective circles being gradually increased from outer to inner ones of the circles, pitches between the multiple circles constituted by the tubes being gradually increased radially from a periphery to the axis of the shell.

Claim 23 (New): The EGR cooler as claimed in claim 22, wherein the central tube is arranged at the axis of the shell, a pitch between an innermost circle and a central of the tubes being largest.